Application Software

LEARNING OBJECTIVES:

After reading this INFORMATION SHEET, YOU MUST be able to:

1. Different types of application software

2. Prepare apps for installation

INTRODUCTION

You may have heard people talking about using an application or an app. But what exactly does that mean? **An application (or app) is a type of software that allows you to perform specific tasks.** Applications for desktop or laptop computers are sometimes called desktop applications, and those for mobile devices are called mobile apps. When you open an application, it runs inside the operating system until you close it. Much of the time, you will have more than one application open at the same time, and this is known as multitasking.

Source: http://www.gcflearnfree.org/computers/computerbasics/

APPLICATION SOFTWARE

App is a very common term for an application, especially for simple applications that can be downloaded cheaply or even for free. Many apps are also available for mobile devices and even some TVs.
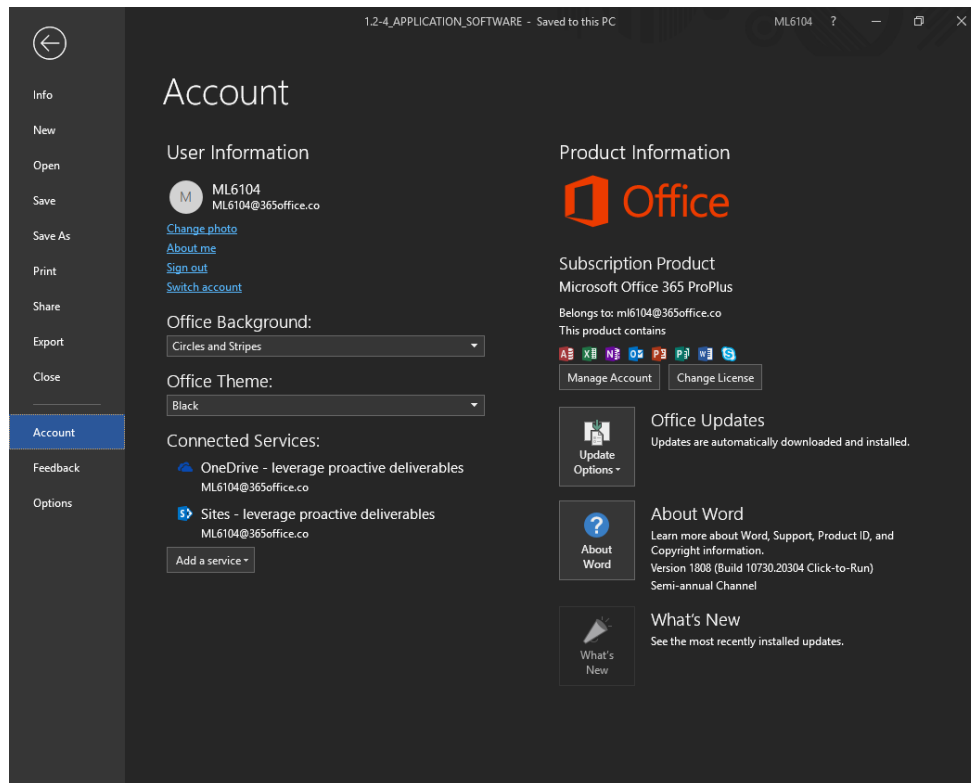
Three types of Application software

A. Desktop App is applications that run in a personal computer and laptops.

Types of Desktop Applications

There are countless desktop applications out there, and they fall into many different categories. Some are more full-featured (like Microsoft Word), while others may only do one or two things (like gadgets). Below are just a few types of applications that you might use:

- **Word Processors:** A word processor allows you to write a letter, design a flyer, and create many other kinds of documents. The most well-known word processor is **Microsoft Word.**
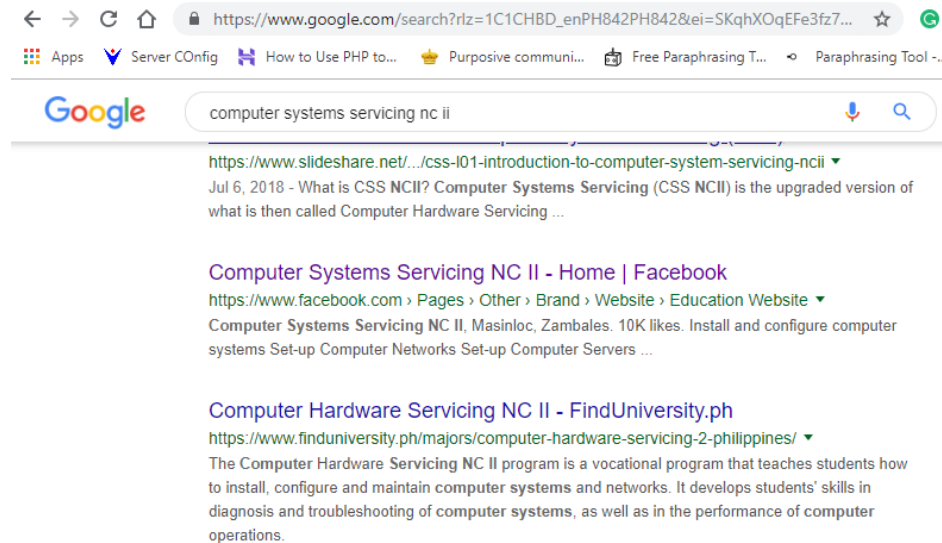

- **Personal Finance**: Personal finance software, such **as Quicken**, allows you to keep track of your income and expenses, create a budget, and more. Most personal finance programs can automatically download information

from your bank, so you don't have to manually type in all of your transactions.

- **Web Browsers:** A web browser is the tool that you use to access the World Wide Web. Most computers come with a web browser pre-installed, but you can also download a different one if you prefer. Examples of browsers include Internet **Explorer, Firefox, Google Chrome, and Safari.**

- **Games:** There are many different games that you can play on your computer. They range from card games such as Solitaire, to action games like **PlayerUnkown's Battleground (PUBG).** Many action games require a lot of computing power, so they may not work unless you have a newer computer.

- **Media Players:** If you want to listen to mp3s or watch movies that you've downloaded, you'll need to use a media player. **Netflix and Spotify are popular media services application.**
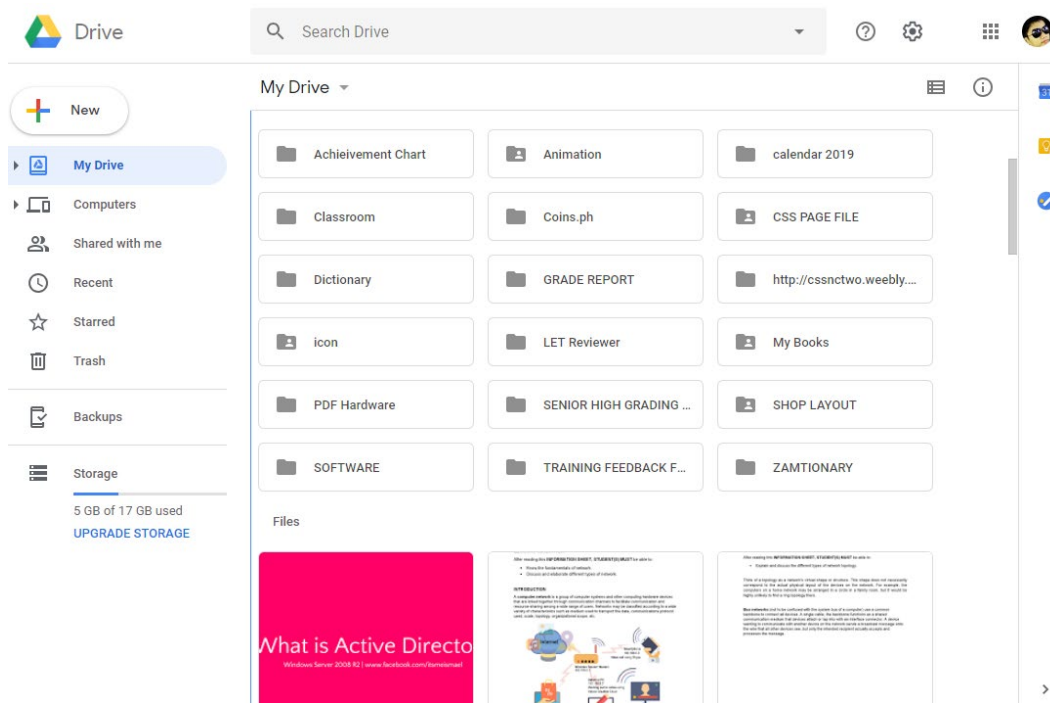

Image Netflix

- **Gadgets:** Sometimes **called widgets**, these are simple applications that you can place on your desktop **(or on the Dashboard if you're using a Mac).** There are many different types of gadgets, and they include **calendars, calculators, maps, news headlines, and more.**

B. Web App is an application that is accessed over a network such as the Internet or an intranet.

It run in the cloud and does not need to be installed on your computer. These are sometimes called cloud apps.

Sample of web app service, my google drive screenshot

- **Online Email Services:** Services like **Gmail and Yahoo! Mail** run within your browser and can do many of the same things that email programs like Microsoft Outlook can do. After you sign up for an online email service, you can begin using it immediately - no installation is required. Instead of being stored on your computer, your emails are stored in the cloud.

- **Google Docs:** Google Docs is an office suite that runs within your browser. Much like Microsoft Office, you can use it to create documents, spreadsheets, presentations, and more. Your documents are stored in the cloud, which makes it easy to share your documents with other people.

- **Facebook:** Facebook lets you create an online profile and interact with your friends. Profiles and conversations are constantly evolving, so Facebook uses web app technologies throughout the site to keep the

information up-to-date. There are also games and other web apps that you can add to your Facebook profile.

C. Mobile App is a software application designed to run on smartphones, tablet computers and other mobile devices.

Desktop and laptop computers aren't the only devices that can run apps. You can also download apps for mobile devices like smartphones and tablet computers, which opens up a lot of new possibilities. Here are a few examples of mobile apps:

Snapchat lets you easily talk with friends, view Live Stories from around the world, and explore news in Discover.

Messenger instantly reach the people in your life—for free. Messenger is just like texting, but you don't have to pay for every message (it works with your data plan).

Not just for Facebook friends: Message people in your phone book and just enter a phone number to add a new contact.

Instagram is a simple way to capture and share the world's moments. Follow your friends and family to see what they're up to, and discover accounts from all over the world that are sharing things you love.

PREPARING INSTALLER APPS

Before doing installation, there are some essential factors that we should always know.

4.1 Platform Environment

We don't just install application without knowing its environment. Identifying the platform is very essential. We must to know its OS, chipsets and other hardware component.

Example

You are about to install an office 2019 app with x64 architecture in a computer running with x86 processor. Technically it is incompatible due to dissimilar architecture of your device and application.

4.2 Categories of Installer Apps

a) **Open Source/Freeware** are applications that can be use by the end users for free. These applications don't have equivalent price.

b) **Closed Source/Paid Apps** /**Proprietary software**

is computer software licensed under exclusive legal right of the copyright holder with the intent that the licensee is given the right to use the software only under certain conditions, and restricted from other uses, such as modification, sharing, studying, redistribution, or reverse engineering.

Are applications that need to purchase before using it such as, Adobe Photoshop, Windows 8 and Microsoft Office.

c) **Trial ware**

It is also a type of proprietary software which is provided to users for a certain limited trial basis and pursuant to a license which restricts any commercial benefit, use or exploitation of the software. This application usually offers 30 days trial or more.

d) **Subscription-based application**
A subscription-based is an apps that allows a customer or organization to purchase or subscribe for a specific period of time for a set price. Subscribers typically commit to the services on a monthly or annual basis

5. TYPES OF INSTALLER

a. **Desktop Apps** are application that are installed in a computer either PC or laptop.

   i. Portable Apps are applications that able to use without installation.

   ii. Installed Apps are applications that mandatorily installed in your computer

b. **Web Apps** are applications that are accessed over a network such as the Internet or an intranet.

c. **Metro Apps/Windows 8.1 Apps** are applications that solely run in Windows 8 OS or later version, that can be downloaded from Windows Apps Store

d. **Mobile Apps** are applications that designed to run in smartphone, or tablets such as, surface tablet, iPad or galaxy tab.

e. **Windows Universal apps** are applications that run in different platforms using Windows 10 operating system

Purpose of Installation

Before the installation we need to identify first the objective its execution.

You need a certain apps for a certain purposes. You must to identify if you are really need that particular apps or not.

Example:

You are graphics designer for a clothing product, and you installed Adobe Illustrator because you need to create a vector art of a certain clothing line for your new project. Creating a vector art is the purpose why you installed Adobe Illustrator.

Different Ways of Preparing Installer Apps

There are several ways in preparing installer apps

1. Direct downloading/installation from web

Installation directly from the web is too risky it may contains malware or virus it may also requires ample time in installation mainly if you have poor internet connection.

2. via USB storage devices(e.g., flash disks, external hdd)

This installation is most recommended compares to other. It is more portable and manageable due to portability of its execution.

3. via installation disc

It is the traditional way of installation of application, it requires ODD in every installation. Software are burned in an optical disc.

4. via intranet or LAN network

This method requires LAN connection in conducting installation. Via intranet installation make faster and more efficient. It enables you to deploy multiple installation during the process.

SELF CHECK 1.2-4

Name:	
Date:	

Direction: Encircle the best answer. If you chose the wrong answer, don't fight for it, instead let go and moved on, or else you'll get hurt. Don't play with questionnaire, it did nothing to you. Answer according to your mind and heart's content, and pray that this test will love you back. ☺

STRICTLY NO ERSURES.

1. It is a type of software that allows you to perform specific tasks.

a. Driver

b. System software

c. Application software

d. Desktop App

2. It is an application that is accessed over a network such as the Internet or an intranet.

a. Web App

b. Mobile App

c. Desktop App

d. System software

3. It is a software application designed to run on smartphones, tablet computers and other mobile devices.

a. Web App

b. Desktop App

c. Mobile App

d. android

4. Free software is also called _____.

a. Closed source

b. Open Source

c. Application software

d. windows

5. Closed software is called _____.

a. Proprietary software

b. Open Source

c. Application software

d. Windows 8

6. Allows you to write a letter, design a flyer, and create many other kinds of documents.

a. Web Browsers

b. Word Processors

c. Personal Finance

d. Media Players

7. Allows you to keep track of your income and expenses, create a budget, and more

a. Personal Finance

b. Media Players

c. Web Browsers

d. Word Processors

8. Is applications that run in a personal computer and laptops.

a. Application software

b. windows

c. Desktop App

d. Web App

9. Is an office suite that runs within your browser.

a. Web Browsers

b. Desktop App

c. Mobile App

d. Google Docs

10.   Are applications that run in different platforms using Windows 10 operating system

a. Windows Universal apps

b. Metro Apps/Windows 8.1 Apps

c. Mobile Apps

d. Web Apps

ANSWER KEY 1.2-4

1. A
2. A
3. C
4. B
5. A
6. B
7. A
8. C
9. D
10. A

JOB SHEET 1.2-4

Title: Prepare and configure installer for installation

Performance Objective: Given appropriate software and installation procedure, you should be able to prepare software for installation. Allotted Hours -2 hours

Supplies/Materials **:** Device Driver/Driver, Operating System, Application Software, Storage Devices

Equipment **:** Computer with ODD, **Flash drive**

Steps/Procedure:

1. Prepare OS installer via any bootable media

2. Read information sheet 1.2-2

3. Configure and prepare driver/device driver

4. Read Information sheet 1.2-3

5. Set and configure application software

6. Read information sheet 1.2-4

Assessment Method:

Demo, Observation

Performance Criteria Checklist1.2-4

Trainee's Name: _____ **Date:** _____

During the performance of the task, did you consider the following criteria?

CRITERIA	YES	Grade Point Equivalent *Highest Possible Score = 5* *Lowest Possible Score = 0*	NO
Did the trainee...			
1. Prepared bootable media according to its requirements			
2. Configure and prepare driver for devices.			
3. Installed application (any available software)			
4. Performed and followed completely the given tasks?			

Total Points	
Total Items	
Signature of the Trainee/Learner	

Signature of the Trainer	

Grade Point Equivalent

The table shows the equivalent points that are used and show how they are calculated to determine the grade point average (GPA), or index.

The highest equivalent points that trainer can give is 5 points per criterion and the lowest is 0. If the trainee/learner accumulate scores with below two (2) *grade point equivalent*, she/he needs to retake the whole given task.

Grade Point Equivalent	Explanation
5	Excellent
4	Very Good
3	Good
2	Average
1	Poor
0	Failure